

MAGNETOS, AIRCRAFT, MOUNTINGS FOR

Issued 11-1-41

Revised

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- I. This specification covers three types of flanges for magneto mountings as follows:

1. Two-bolt Flange
2. Three-bolt Flange
3. Four-bolt Flange

II. GENERAL REQUIREMENTS, MATERIAL AND WORKMANSHIP:

- A. External dimensions of flanges, including flange thickness, shall be fully interchangeable for all magnetos having the same type of flange or used on engines having the same number of cylinders.
- B. Materials used in the manufacture of magneto flanges shall preferably be aluminum alloy forging. Any other material with equal tensile and fatigue strength may be substituted.
- C. Materials used in the construction of all magneto flanges shall be such that they will not deteriorate sufficiently to interfere with the proper strength, fitting and function of the flange.
- D. All machined surfaces shall have a finish in accordance with aircraft practices and no stamped identification or inspection marks shall appear on fitted surfaces.

III. DESIGN:

- A. The outlines shown in the following figures indicate the dimensions within which the magneto flanges shall fall.
- B. The two-bolt flange shall be in accordance with Fig. 1.
- C. The three-bolt flange (single-new) is recommended as standard for single magnetos and shall be in accordance with Fig. 2.
- D. The three-bolt flange (single-commercial) shall be in accordance with Fig. 3. This flange is not recommended for future design.
- E. The three-bolt flange (single-12 cylinder) is recommended for single magnetos for 12 cylinder engines and shall be in accordance with Fig. 4.
- F. The four-bolt flange shall be in accordance with Fig. 5.

CANCELED

3/27/97

REAFFIRMED

JUL - 1991



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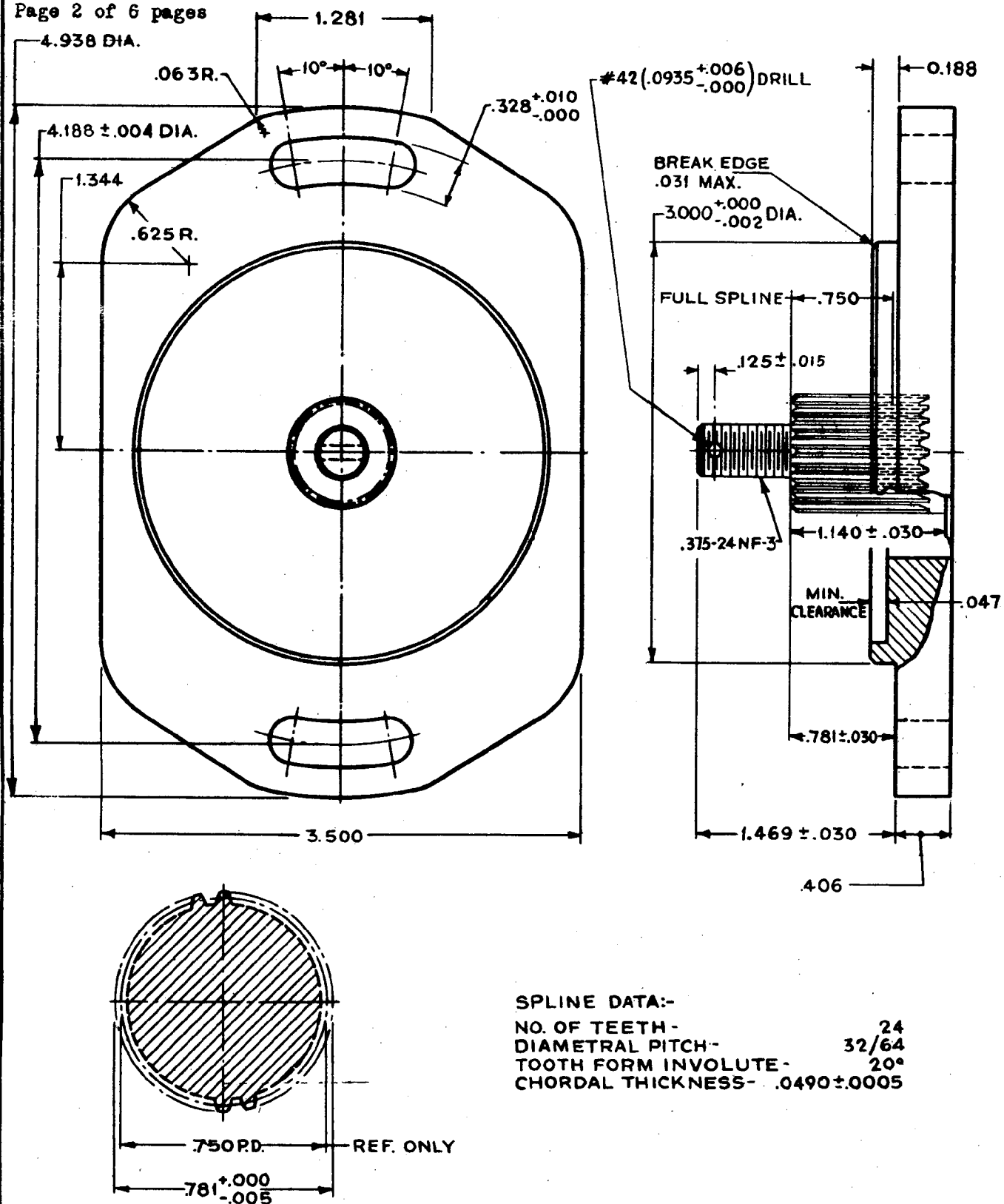


FIG. 1 MAGNETO FLANGE - 2 BOLT TYPE

UNLESS OTHERWISE SPECIFIED:
 ALLOWABLE TOLERANCE ON FINISHED DIMENSIONS IS ±.010
 " " " ANGLES IS ±30°